

TABLE 2.—Data furnished by the Canadian Meteorological Service

MAY 1934

Stations	Altitude above mean sea level, Jan. 1, 1919	Pressure			Temperature of the air						Precipitation		
		Station reduced to mean of 24 hours	Sea level reduced to mean of 24 hours	Depart- ure from normal	Mean max. + mean min. +2	Depart- ure from normal	Mean maxi- mum	Mean mini- mum	Highest	Lowest	Total	Depart- ure from normal	Total snowfall
	<i>Feet</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>°F.</i>	<i>°F.</i>	<i>°F.</i>	<i>°F.</i>	<i>°F.</i>	<i>°F.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>
Cape Race, Newfoundland.....	99	29.91	29.96	-0.01	40.7	+3.2	47.6	33.9	68	26	3.52	-----	0.6
Sydney, Cape Breton Island.....	48	29.91	29.96	-0.01	48.4	+3.2	59.3	37.5	80	28	3.04	-0.73	.0
Halifax, Nova Scotia.....	88	29.70	29.80	-0.18	50.4	+2.0	59.4	41.4	78	31	3.03	-1.23	.0
Yarmouth, Nova Scotia.....	65	29.88	29.93	-0.05	49.8	+2.2	57.8	41.8	67	32	1.68	-1.89	.0
Charlottetown, Prince Edward Island.....	38	29.85	29.89	-0.07	49.2	+2.3	57.0	41.3	77	31	2.83	-0.08	.0
Chatham, New Brunswick.....	28	29.78	29.81	-0.14	51.8	+3.3	64.3	39.3	86	26	1.80	-1.41	.0
Father Point, Quebec.....	20	29.83	29.85	-0.08	46.1	+2.1	54.3	37.9	72	38	1.86	-0.72	.2
Quebec, Quebec.....	296	29.60	29.92	-0.02	53.7	+3.8	64.2	43.3	79	32	2.75	-0.33	.0
Doucet, Quebec.....	1,236	-----	-----	-----	45.3	-----	59.0	31.5	80	10	2.12	-----	.9
Montreal, Quebec.....	187	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Ottawa, Ontario.....	236	29.68	29.94	.00	57.3	+2.4	69.3	45.2	86	31	1.30	-1.29	.0
Kingston, Ontario.....	285	29.67	29.98	+0.02	53.6	+0.7	62.9	44.2	74	34	1.07	-1.61	.0
Toronto, Ontario.....	379	29.58	29.98	.00	57.7	+4.5	69.4	46.0	86	34	.47	-2.67	.0
Cochrane, Ontario.....	930	-----	-----	-----	45.2	-----	59.2	31.1	81	23	2.59	-----	1.6
White River, Ontario.....	1,244	28.61	29.93	-0.02	47.1	+1.4	61.8	32.4	79	21	1.20	-0.75	.1
London, Ontario.....	808	-----	-----	-----	56.4	-----	69.9	42.8	86	27	.98	-----	.0
Southampton, Ontario.....	656	29.28	30.00	+0.04	49.8	-----	58.7	40.9	80	26	1.37	-1.07	.0
Ferry Sound, Ontario.....	688	29.28	29.98	+0.03	53.1	+2.0	64.5	41.7	78	29	1.71	-1.22	.0
Fort Arthur, Ontario.....	644	29.20	29.91	-0.05	50.2	+4.3	60.7	39.8	86	31	1.28	-0.87	2.9
Winnipeg, Manitoba.....	760	29.06	29.88	-0.08	56.2	+4.6	69.6	42.9	100	18	.63	-1.65	.0
Minneapolis, Manitoba.....	1,690	28.09	29.89	-0.07	54.7	+6.3	69.8	39.6	91	20	.48	-0.97	.0
Le Pas, Manitoba.....	860	-----	29.93	-----	50.8	-----	62.0	39.7	85	22	2.10	-----	.0
Qu'Appelle, Saskatchewan.....	2,115	27.61	29.83	-0.11	56.9	+7.1	72.3	41.5	95	21	.80	-0.85	.0
Moose Jaw, Saskatchewan.....	1,759	-----	-----	-----	60.2	-----	75.8	44.7	100	29	.63	-----	.0
Swift Current, Saskatchewan.....	2,392	27.33	29.80	-0.12	60.7	+10.0	75.7	45.8	98	30	.39	-1.37	.0
Medicine Hat, Alberta.....	2,365	27.37	29.82	-0.07	60.9	+6.8	74.5	47.4	97	33	.46	-0.85	.0
Calgary, Alberta.....	3,540	26.22	29.84	-0.04	55.3	+6.3	68.9	41.7	87	32	.60	-1.17	.4
Banff, Alberta.....	4,521	25.38	29.92	+0.04	50.1	+3.1	64.4	35.8	85	27	1.72	-0.32	.0
Prince Albert, Saskatchewan.....	1,450	28.34	29.90	-0.05	56.6	+9.0	69.2	44.0	89	25	.84	-0.42	.1
Battleford, Saskatchewan.....	1,592	28.13	29.85	-0.07	57.9	+6.9	72.8	43.1	90	28	.83	-0.79	.2
Edmonton, Alberta.....	2,150	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Kamloops, British Columbia.....	1,262	28.65	29.93	+0.04	60.7	+1.6	74.2	47.2	93	36	.49	-0.75	.0
Victoria, British Columbia.....	230	29.76	30.01	+0.01	54.8	+2.3	61.5	48.1	76	41	1.22	-0.26	.0
Barkerville, British Columbia.....	4,180	-----	-----	-----	51.6	-----	56.7	46.6	72	-----	7.73	-----	.0
Estevan Point, British Columbia.....	20	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Prince Rupert, British Columbia.....	170	-----	-----	-----	49.4	-----	55.9	42.9	72	37	5.80	-----	.0
Hamilton, Bermuda.....	151	29.98	30.14	+0.08	72.3	+2.9	77.1	67.5	82	61	3.60	-1.06	.0

## LATE REPORTS FOR APRIL 1934

Banff, Alberta.....	4,521	25.37	29.93	+0.03	44.8	+9.5	59.4	30.2	78	15	.94	-0.14	2.5
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## SEVERE LOCAL STORMS, MAY 1934

(Compiled by Mary O. Souder)

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual Report of the Chief of Bureau]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Sedan, Kans., and vicinity.....	3	3 p.m.	50	-----	\$1,000	Tornado.....	Barn and small buildings damaged; storm accompanied by hail that was heavy in spots; poultry house collapsed killing 400 young chickens.	Official, U.S. Weather Bureau.
Wynne Wood, Okla.....	3	5:15 p.m.	75-100	-----	150,000	do.....	10 homes completely demolished and many others considerably damaged; several persons slightly injured.	Do.
Winfield, Kans., 6 miles south..	4	2:30 p.m.	-----	-----	500	High wind.....	Residence and 2 chicken houses damaged; storm had characteristics of tornado; path narrow and 1 mile long.	Do.
Bartlesville, Okla., 7 miles east.	4	do.....	-----	-----	3,500	Tornado.....	Hillsdale schoolhouse badly damaged; other damage principally to few rural homes and barns.	Do.
Paris, Tex.....	4	do.....	-----	-----	2,000	Hail.....	Damage to greenhouses, roofs, and windows.....	Do.
Tulsa, Okla., 10 miles southeast.	4	3 p.m.	440	3	50,000	Tornado.....	About 20 houses and number of farm buildings demolished; poultry and livestock lost; path 4 miles long.	Do.
Howden, Okla., to south of South Coffeyville, Kans.	4	3:30 p.m.	880	1	35,000	do.....	Woman killed when her farm home was demolished; 12 others slightly injured; path 10 miles long.	Do.
Warrensburg and Valley City, Mo., vicinity of	4	4 p.m.	-----	-----	-----	Rain and hail.....	Some hailstones as large as guinea eggs; considerable damage to all crops, especially gardens, some of which had to be made over; fields badly washed.	Do.
McCurtain County, Okla., ex- treme southeastern portion.	4	do.....	12	-----	50,000	Hail.....	Some damage to buildings; severe loss to crops; all gardens in path of storm practically destroyed; path 15 miles long.	Do.
Oklahoma to 2 miles southeast of Coffeyville, Kans.	4	4:30 p.m.	1,320	1	4,800	Tornado.....	Telephone lines down; 2 motor cars wrecked; several farm buildings and an old highway bridge demolished; 5 persons injured; path 5 miles long. Additional damage in Oklahoma.	Do.

## SEVERE LOCAL STORMS, MAY 1934—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Frost, Tex.	4	6 p.m.				Hail.	\$1,500 damage to crops; other damage to roofs and windows.	Official U. S. Weather Bureau.
Dawson, Tex.	4	7 p.m.	1 10		10,000	Wind and hail.	Damage to crops; church, numerous outbuildings and cotton gin destroyed.	Do.
Wortham, Tex.	4	do	880		8,500	Wind.	\$1,000 damage to crops, \$7,500 to buildings.	Do.
Malakoff, Tex.	4	8:30 p.m.	440		2,000	Wind and rain.	Damage to buildings; considerable loss to crops.	Do.
McCurtain County, Okla., northern portion.	4	P.m.	200		3,000	Tornado.	Much timber blown down.	Do.
Atlanta, Ark.	4				1,200	Heavy hail.	Severe loss to crops and damage to buildings.	Do.
Little River County, Ark., southern half.	4				50,000	Wind and hail.	15 persons injured; loss to crops; buildings damaged.	Do.
McNeil, Ark.	4				1,000	Wind.	Damage to buildings.	Do.
Stamps, Ark.	4				6,000	Wind and hail.	2 persons injured; loss to crops not estimated; damage to buildings alone, \$8,000.	Do.
Stephens, Ark.	4				90,000	do.	1 person injured; loss to crops; property damaged.	Do.
Waldo, Ark.	4				70,000	do.	2 persons injured; loss to crops; buildings damaged.	Do.
Cheneyville, La., and vicinity.	5	3 p.m.	80	2	8,000	2 tornadoes.	The first occurred at about 3 p.m., and passed 2 to 3 miles west of Cheneyville over a path 80 yards wide and 1 mile long; the second, of similar size, passed over Cheneyville, total damage, both storms, mostly to buildings, \$8,000; several persons injured.	Do.
Meadville, Miss., vicinity of.	5	5 p.m.		1	5,000	Tornado.	4 persons injured; number of buildings at C.C.C. wrecked; girl found dead under demolished tenant house she occupied; property damaged.	Do.
De Roche, Ark.	6				1,500	Wind.	Several buildings unroofed; loss in timber.	Do.
Sheridan County, Mont., northern portion.	8	6:30-8 p.m.	334		50,000	Gales and intense dust.	Damage estimated to buildings alone; heavy loss of undetermined amount to seeded crops; at least 6 persons injured.	Do.
Butte, Mont.	8					High winds and intense dust.	Fences and signboards damaged; extent of actual property loss not estimated.	Do.
Watertown, Hubbleton, Waukesha, Oconomowoc, West Allis, Wauwatosa, and Milwaukee, Wis.	9	12:30-1:30 a.m.			2,000,000	Thundersquall and hail.	Roofs and automobiles damaged; path several miles wide.	Do.
Lincoln, ne r, Kans.	9	5 p.m.	1 2		1,500	Heavy hail and wind.	Chief damage to gardens; 2,500 panes of glass in 1 greenhouse broken.	Do.
Longford and Oak Hill, Kans., and vicinity.	9	7 p.m.			10,000	Heavy hail.	Path 15 miles long; no details.	Do.
Cerro, N. Mex.	10	3:30 p.m.	1 4		2,000	Heavy hail.	Livestock killed.	Do.
Cortland, Onondaga, and Madison Counties, N. Y.	10				150,000	Thundersquall.	Man injured; barns and silos demolished; considerable loss to livestock; houses unroofed; hundreds of trees blown down; much damage to telephone and power lines.	Do.
Fulton and Saratoga Counties, N. Y.	10			1		do.	Man killed when he accidentally came in contact with high voltage wire; much property damage.	Do.
Jefferson and St. Lawrence Counties, N. Y.	10				25,000	Electrical.	3 barns and 2 houses burned to the ground with a loss of 44 head of livestock.	Do.
Adams, Nebr., 3 miles southwest.	12	4:30 p.m.	200		2,500	Tornado.	Property damaged.	Do.
Cortland and Sherdahl, Kans., and vicinity.	12	5 p.m.			50,000	High wind.	Barns and smaller buildings destroyed; path 15 miles long.	Do.
Codell, Kans., 3 miles east.	12	5:30 p.m.			10,000	Tornado.	2 barns and a number of small buildings destroyed; windmill, telephone and power lines blown down; storm accompanied by hail and excessive rain; dust obscured clouds; path narrow and 3 miles long.	Do.
Fairport to Osborne and Downs, Kans.	12	5:30 p.m.	1 10			Wind and hail.	12 oil derricks near Fairport, and barn and small buildings near Osborne, blown down; heavy hail fell in vicinity of Kill Creek; path 45 miles long.	Do.
Dighton, Kans., 6 miles northeast.	12	5-6 p.m.	1 4		150,000	Heavy hail.	Damage to crops; path 6 miles long.	Do.
Ash Grove, near, Kans.	12	P.m.			600	Wind.	Damage to brooder houses and small buildings; storm had tornadic characteristics.	Do.
Sioux Rapids, Spencer, Ledyard and Rudd, Iowa.	12			1	4,000	Tornadic winds, electrical and hail.	Wind destroyed 2 barns and large silo; livestock killed; near Ledyard lightning struck a barn killing a man, horse, and colt; hail accompanied this storm; path of storms several miles wide and from 10 to 15 miles long.	Do.
Santuck, S. C.	16	1 a.m.	125		200	Tornado.	Damage in timber; 4 small outbuildings demolished.	
Livingston, Ala., vicinity of.	16			2	500,000	Thundersquall.	12 persons injured; property damaged; crop loss.	Do.
Lewistown, Mont.	19				1,000	Hail.	Damage to greenhouses; stock killed.	Do.
Denmark, Wis., 5 miles west.	20	6 p.m.			2,500	Wind.	2 barns blown down.	Do.
East Troy, near, Wis.	21	3 p.m.	890		10,000	Tornadic winds.	Several barns and small buildings damaged; fences torn down; farm machinery moved; trees twisted and blown over; path 1½ miles long.	Do.
La Motte, Iowa, and vicinity.	21	4:30-4:45 p.m.	1 2		25,000	Tornadic winds, heavy rain and hail.	Wires blown down; trees uprooted; barns leveled; cattle killed; fruit trees damaged; path 5 miles long.	Do.
Fond du Lac County, Wis., western portion.	21	5:30 p.m.			7,000	Wind.	2 large barns and silos demolished; other buildings considerably damaged.	Do.
De Kalb, Mo.	21	P.m.	1 2		25,000	Hail.	Small grains on some farms completely destroyed; great damage to berries; orchards and tobacco beds.	Do.
Dayton, Tenn., and vicinity.	21	do.				Heavy rain, electrical.	Crops destroyed; 35 bridges washed out; concrete and steel culvert washed 300 feet; many gardens washed out.	Do.
Barbour County, Ala., western portion.	22			1		Electrical.	Negro and mule in a field killed by lightning.	Do.
Big Cove, Ala.	22					Wind.	Dwelling completely demolished.	Do.
Fort Valley, Bainbridge, Albany, and Dahlonega, Ga.	22			1		Hail.	Loss to peaches and other crops; several persons cut by glass from broken windows; 10 miles east of Dahlonega, man killed by lightning; estimated damage several thousand dollars.	Do.
Orange County, N. Y.	22				3,000	do.	Loss to crops.	Do.
Bascom, Fla., southeast of.	22	12-1 p.m.	1 3		2,000	Wind and hail.	Crops, over an area of 3 square miles, damaged; trees blown down; path 5 miles long.	Do.

## SEVERE LOCAL STORMS, MAY 1934—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Scranton, Pa., and vicinity	22	1:10-4:40 p.m.		1		Heavy thunder-storm and hail.	Girl, returning from school, killed by lightning at Dupont.	Official, U.S. Weather Bureau.
Waukesha County, Wis.	22	1:15-8 p.m.				Heavy rain	'Thousands of dollars' damage to roads; automobiles stalled; telephone and electric service interrupted; streets and basements flooded in parts of Milwaukee; trees and poles blown down; 3 large hangars moved from their foundations at the Milwaukee county airport; this storm reported to be the heaviest in 25 years.	Do.
New York, N.Y.	22	7:30 p.m.				Thundersquall	Several buildings struck by lightning and burned; trolley car struck by lightning and 6 passengers shocked; trees uprooted and poles blown down; storm especially destructive on Staten Island where a club house was struck by lightning and burned; traffic over entire island impeded by heavy rainfall.	Do.
Winnsboro, S.C.	24	P.m.			5,000	Hail	Damage to fruits and crops.	Do.
Orangeburg, S.C., 6 miles west.	24		1		3,000	do.	Severe crop damage; path 3 miles long.	Do.
Walhalla, S.C., 12 to 14 miles north.	24				3,000	Heavy hail	Much damage to young crops and to fruit.	Do.
Jemez and Pueblo, N.Mex.	26	7 p.m.	2			do.	Much damage to fruit and crops.	Do.
Hollister, Calif.	27	2 p.m.	660		75,000	Hail	Loss to crops; path 10 miles long.	Do.
Orangeburg, S.C.	28	7-12 p.m.			5,000	Wind, heavy hail	Damage to buildings.	Do.
Charleston, S.C., and vicinity	28	P.m.			25,000	Wind and rain	Yachts and small boats sunk or driven high into the marshes; small damage to wire systems; basements flooded and furnaces badly damaged by salt water; at Holly Beach 5 houses were destroyed; loss to crops.	Do.
High Point, Winston Salem, and Greensboro, N.C.	28				5,000	Wind	Damage to buildings; highest wind velocity ever recorded at Greensboro, 47 miles.	Do.
South Carolina, southern portion.	28-29	7 p.m. - 7 a.m.			125,000	Wind, heavy rain	Damage to truck.	Do.
Augusta, Ga.	28-29	P.m.				Wind and rain	Light and telephone wires and trees blown down; 2 automobiles damaged by falling trees; small brick wall blow down.	Do.
Washington State, eastern portion.	28-29					Wind	Strong winds caused loss to apples and cherries.	Do.
Northern Twin Falls, Idaho.	29	2-3 p.m.				High wind	Electric and telephone poles blown down; trees uprooted.	Do.
Otowi, N.Mex.	30	2 p.m.	4			Heavy hail	Many trees down; crops ruined.	Do.
Toltec, N.Mex.	30	2 p.m.	2		4,000	Heavy hail	Damage to alfalfa and small grains; many turkeys and chickens killed.	Do.
Madison County, Fla., northern portion.	31	2:30 p.m.			12,000	Tornadic wind and hail.	Heavy hail, some stones as large as hens' eggs, damaged crops over a wide area amounting to \$10,000; estimated damage to buildings by wind, \$2,000; 1 person slightly injured.	Do.
Nobles, Jackson, Cottonwood and Redwood Counties, Minn.	31	6:30 - 7:30 p.m.			25,000	Severe wind	Number of barns, small farm buildings and silos demolished.	Do.
Levy, Ark.	31					Heavy hail	Considerable damage to gardens and loss to crops.	Do.

<sup>1</sup> Miles instead of yards.

